

Title (en)  
LOCK WITH A LONG-TRAVEL DEADBOLT

Title (de)  
SCHLOSS MIT LANGEM RIEGEL

Title (fr)  
VERROU AYANT UN PÊNE DORMANT À LONGUE COURSE

Publication  
**EP 3653813 B1 20210804 (EN)**

Application  
**EP 19164498 A 20190322**

Priority  
TW 107140865 A 20181116

Abstract (en)  
[origin: EP3653813A1] A lock with a long-travel deadbolt includes a first guide member and a loop-shaped rail. A driving member is slidably mounted to the first guide member and includes a second guide member and a third guide member. A third notch is defined in an underside of the driving member. An extension plate is eccentrically and pivotably connected to the second guide member. An extension slot is defined in the extension plate and the first guide member slidably extends through the extension slot. A stop plate is pivotably connected to the third guide member and has an extension portion which has a corner protruding from a side thereof. The third notch and the corner are located at the rail. When rotating the core, the first guide member moves from one end of the extension slot to the other end of the extension slot, the deadbolt travels at least 22 mm.

IPC 8 full level  
**E05B 9/02** (2006.01); **E05B 55/12** (2006.01); **E05B 59/00** (2006.01); **E05B 63/16** (2006.01); **E05C 19/04** (2006.01)

CPC (source: EP US)  
**E05B 9/02** (2013.01 - EP); **E05B 15/022** (2013.01 - EP); **E05B 55/12** (2013.01 - EP); **E05B 59/00** (2013.01 - EP US); **E05B 63/0021** (2013.01 - EP); **E05B 63/0056** (2013.01 - EP); **E05B 63/16** (2013.01 - EP); **E05B 63/20** (2013.01 - US); **E05B 65/1086** (2013.01 - EP); **E05C 1/08** (2013.01 - US); **E05C 19/04** (2013.01 - EP); **E05B 13/004** (2013.01 - EP); **E05B 2015/107** (2013.01 - EP); **E05Y 2900/132** (2013.01 - US)

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